Volcanoes!!!

What Earth process create Volcanoes?

Locations of Volcanoes:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are the Three Types of Volcanoes?

Types:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

- Largest

- Usually formed at hotspots  
  
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

- Most explosive

- Usually formed at subduction zones  
  
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

- Most common

- Smallest

- Usually formed at subduction zones

- Short lived

Minnesota’s Violent Past!

* When did this all happen?
  + Precambrian – more than \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - This is the time of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - Any animals that existed did not have hard body parts
* Rocks in Minnesota
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, gabbro and sandstone
  + \_\_\_\_\_\_\_\_\_\_\_ formation – The Iron Range
  + \_\_\_\_\_\_\_\_\_\_\_ rocks (basalt), greywacke, granite
* Events in Minnesota
  + Midcontinent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Penokean orogeny – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ belts